

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060841.D
 Acq On : 6 Apr 2020 11:06
 Operator : JC/MD
 Sample : VN0406WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBL01

Quant Time: Apr 07 07:01:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	317036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	113399	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	121506	45.76	ug/l	0.00
Spiked Amount						
			Recovery	=	91.52%	
35) Dibromofluoromethane	7.56	113	93042	48.53	ug/l	0.00
Spiked Amount						
			Recovery	=	97.06%	
50) Toluene-d8	10.08	98	382255	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.40	95	133348	46.47	ug/l	0.00
Spiked Amount						
			Recovery	=	92.94%	

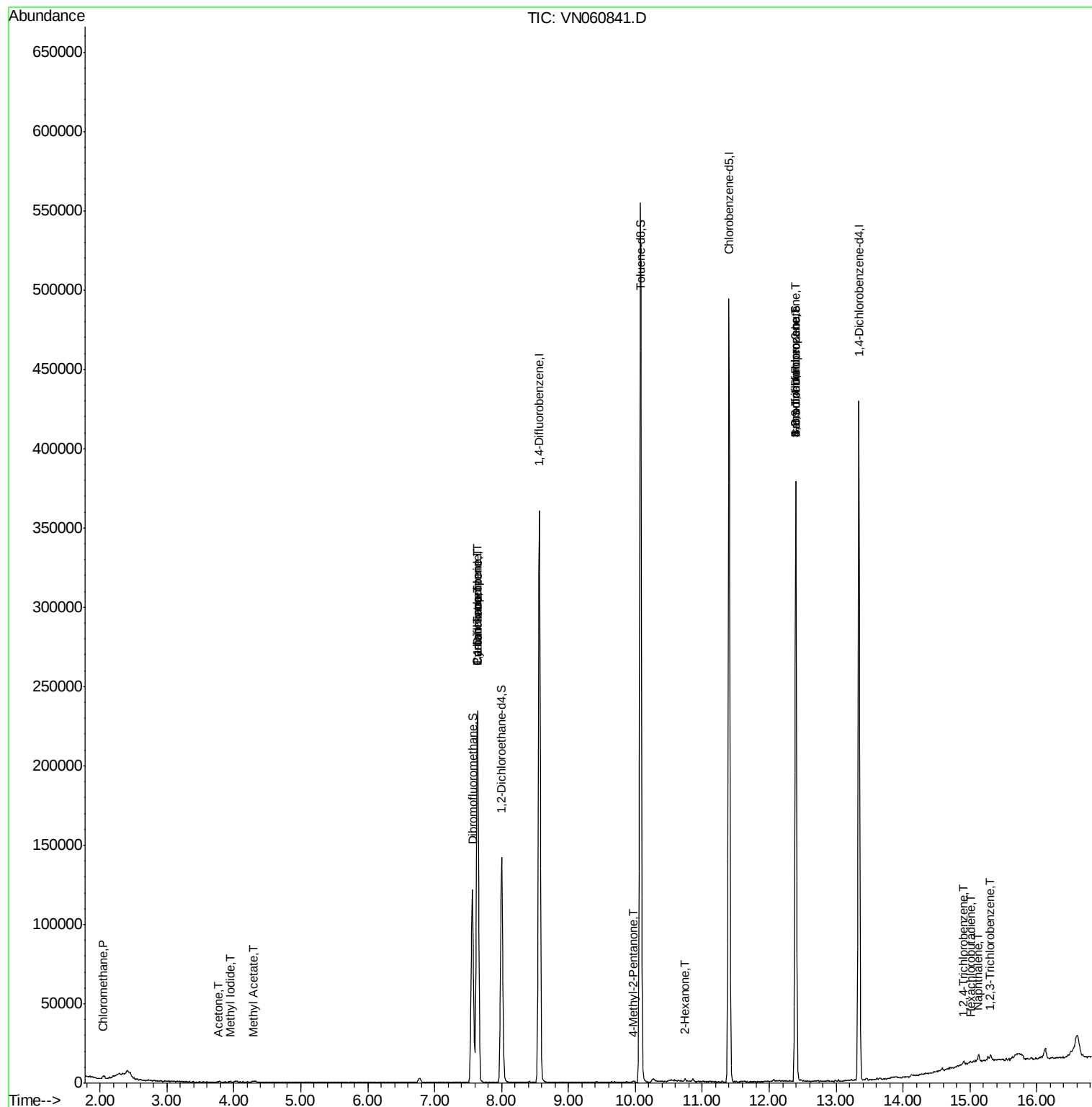
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1192	0.341	ug/l	91
10) Methyl Iodide	3.94	142	358	0.206	ug/l #	42
16) Acetone	3.78	43	227	0.241	ug/l #	43
18) Methyl Acetate	4.30	43	1639	0.619	ug/l #	54
31) Cyclohexane	7.64	56	4142	0.969	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15089	4.915	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18510	6.727	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	683	0.219	ug/l #	37
59) 2-Hexanone	10.74	43	942	0.420	ug/l	85
71) Bromoform	12.40	173	479	1.959	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	66048	26.992	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	66048	69.324	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	893	0.420	ug/l #	82
94) Hexachlorobutadiene	15.00	225	332	0.319	ug/l #	44
95) Naphthalene	15.13	128	3845	0.602	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1160	0.555	ug/l	97

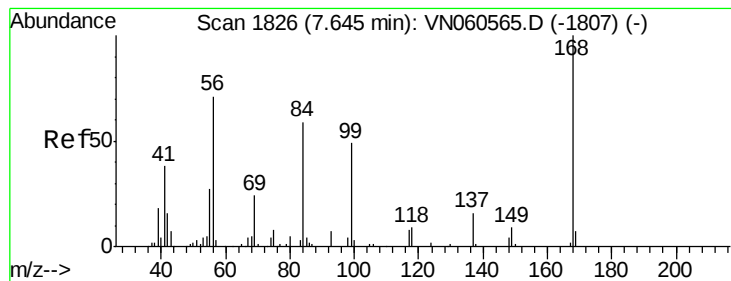
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

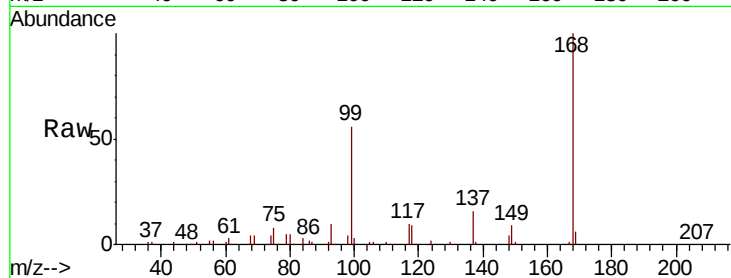
VN0406WBL01

Tot Ion:168 Resp: 193423

Ion Ratio Lower Upper

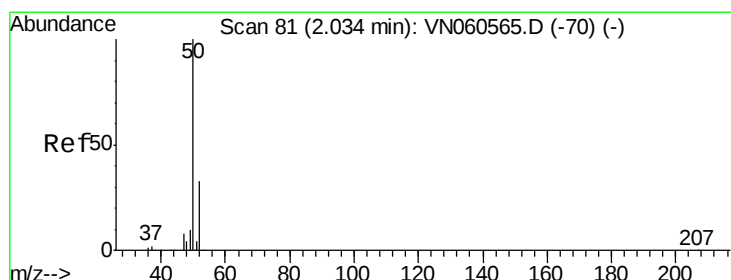
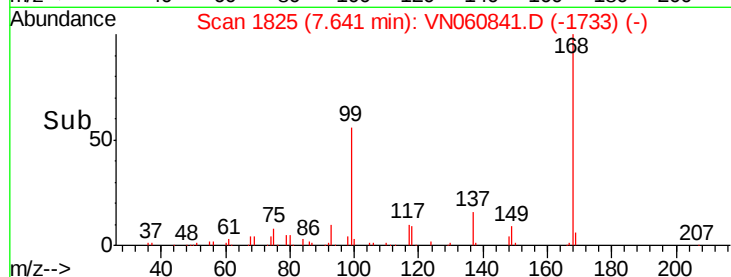
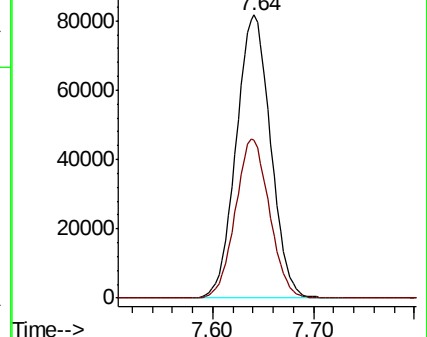
168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)



#3

Chloromethane

Concen: 0.341 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060841.D

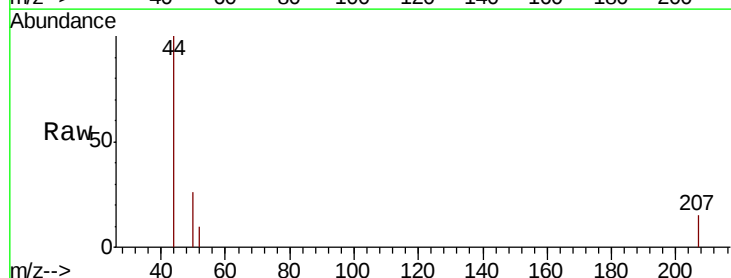
Acq: 6 Apr 2020 11:06

Tgt Ion: 50 Resp: 1192

Ion Ratio Lower Upper

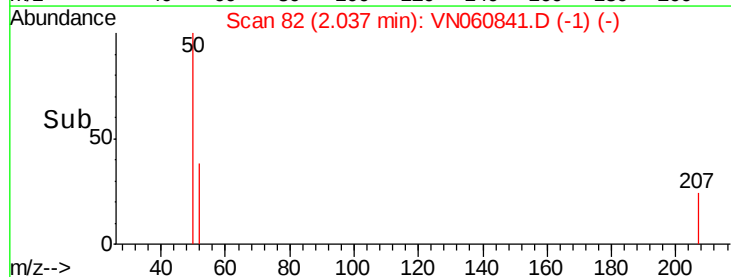
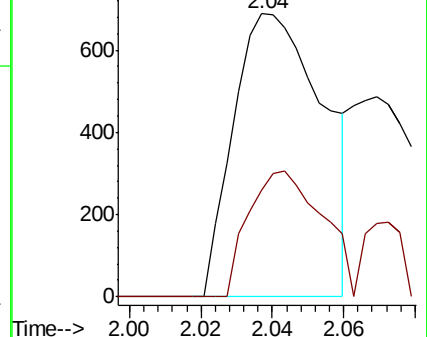
50 100

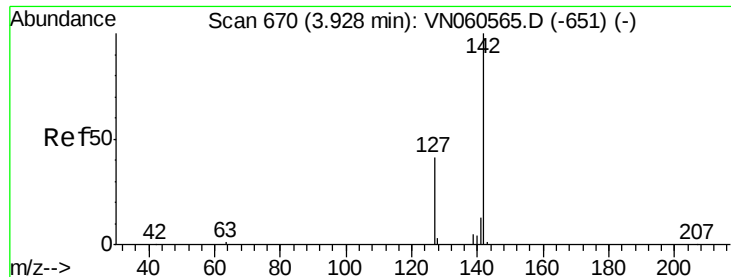
52 37.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN060565.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060565.D (-70) (-)

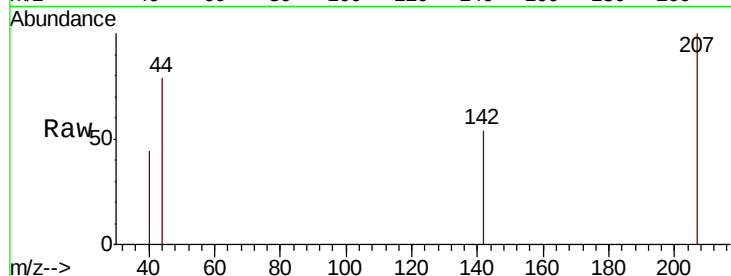




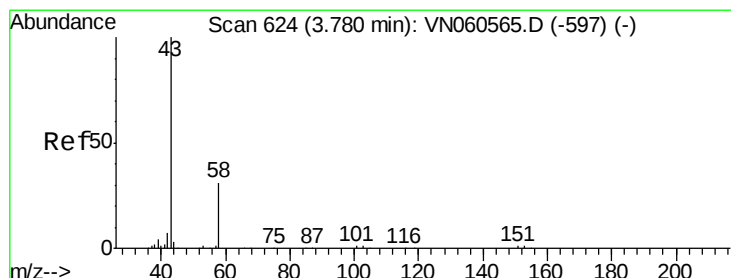
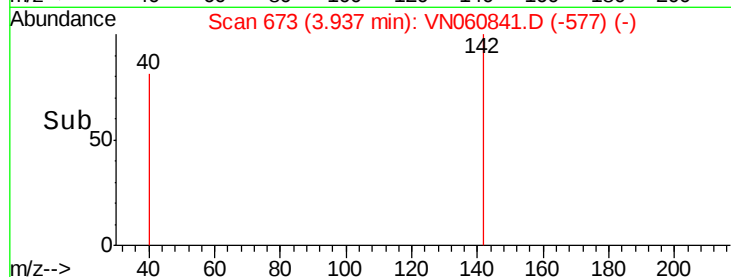
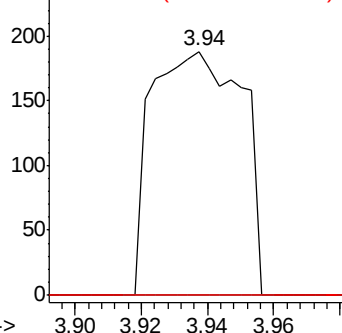
#10
Methvl Iodide
Concen: 0.206 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.01 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBL01

Tot Ion:142 Resp: 358
Ion Ratio Lower Upper
142 100
127 0.0 33.5 50.3#
141 0.0 11.0 16.6#

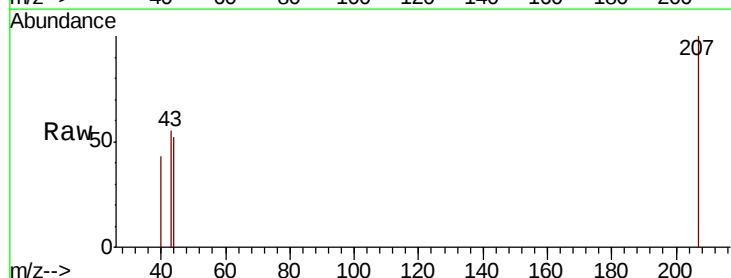


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

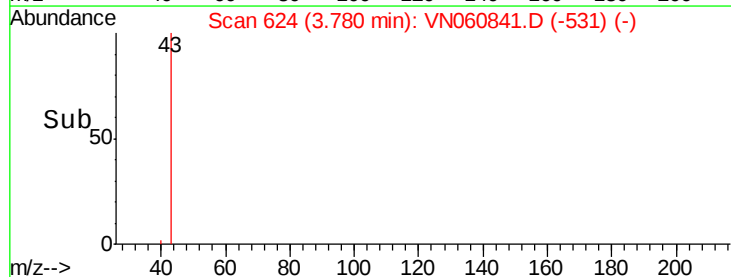
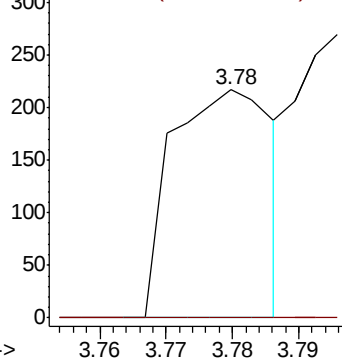


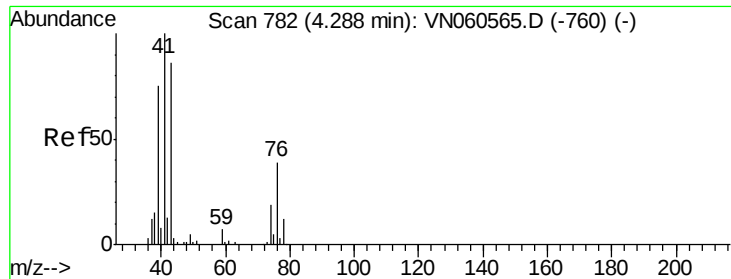
#16
Acetone
Concen: 0.241 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

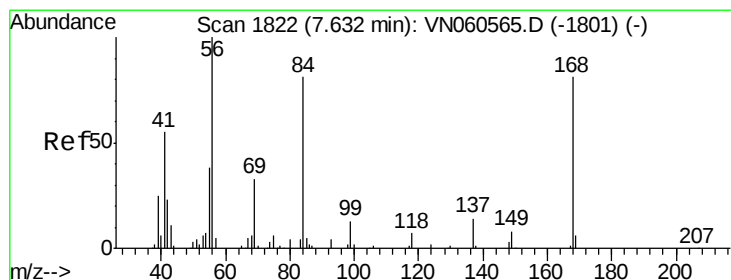
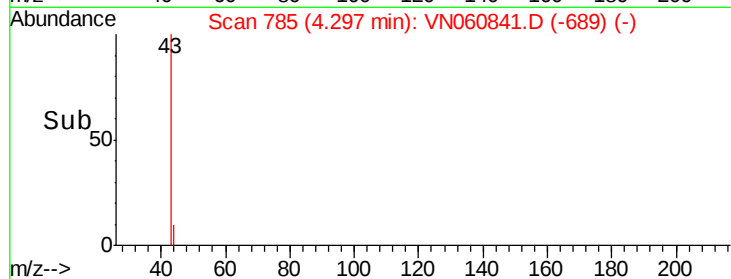
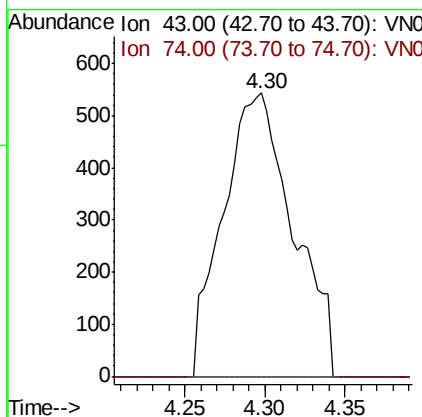
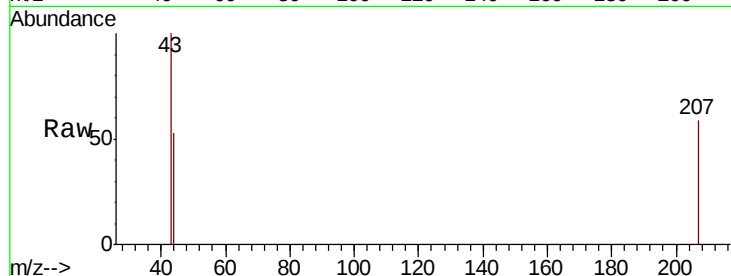




#18
Methvl Acetate
Concen: 0.619 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

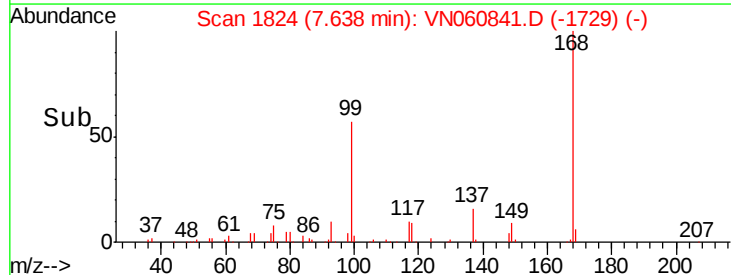
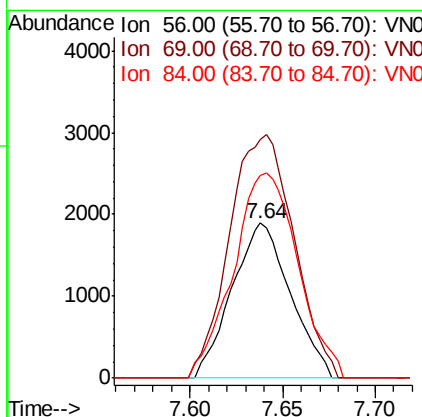
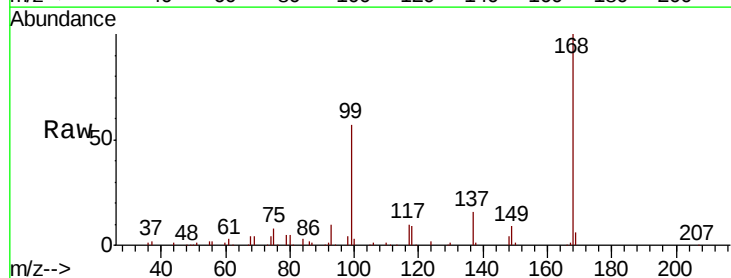
Instrument :
MSVOA_N
ClientSampleId :
VN0406WBL01

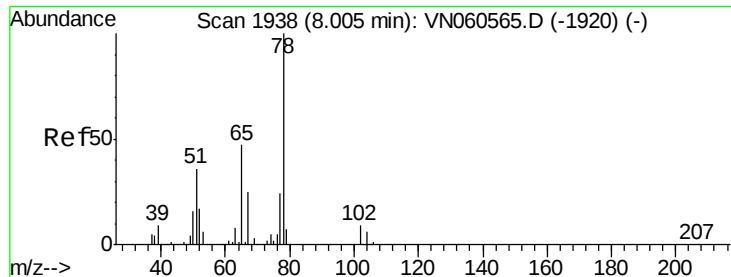
Tot Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

Tgt Ion: 56 Resp: 4142
Ion Ratio Lower Upper
56 100
69 153.8 26.6 40.0#
84 130.6 64.3 96.5#

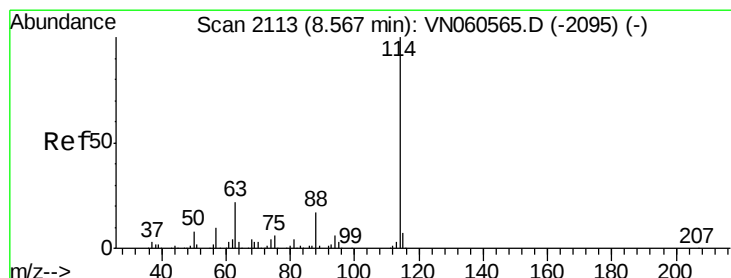
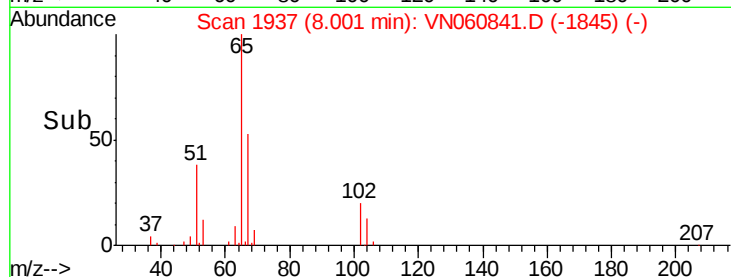
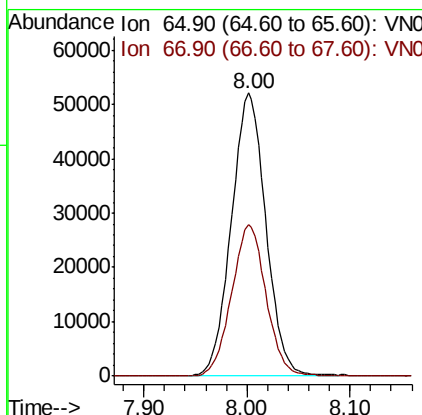
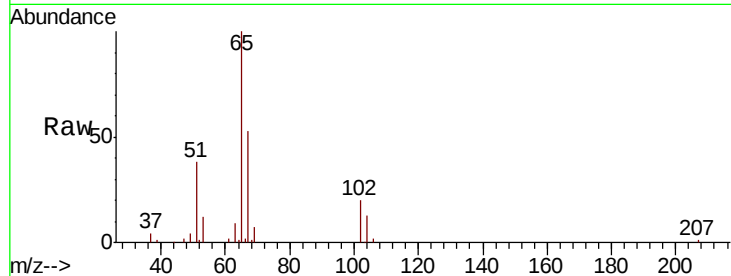




#33
 1,2-Dichloroethane-d4
 Concen: 45.761 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060841.D
 Acq: 6 Apr 2020 11:06

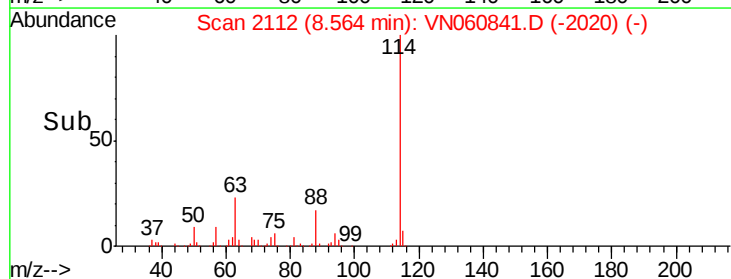
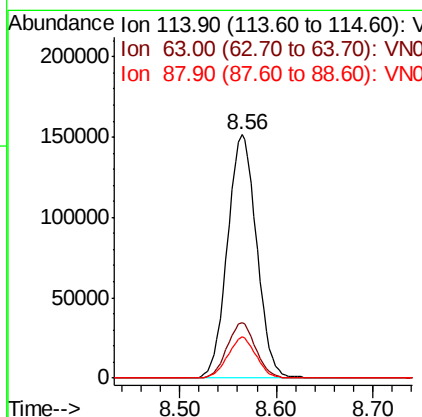
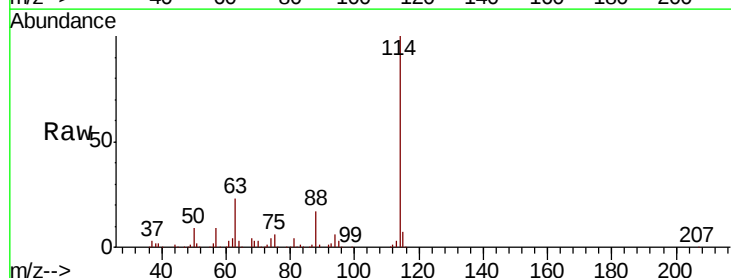
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBL01

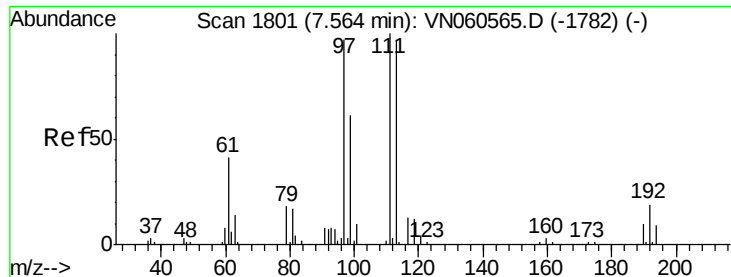
Tot Ion: 65 Resp: 121506
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060841.D
 Acq: 6 Apr 2020 11:06

Tgt Ion: 114 Resp: 317036
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.535 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBL01

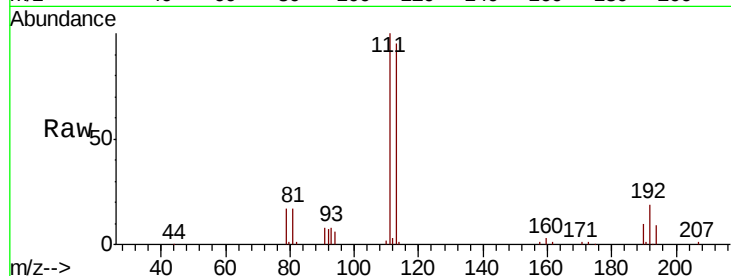
Tot Ion:113 Resp: 93042

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

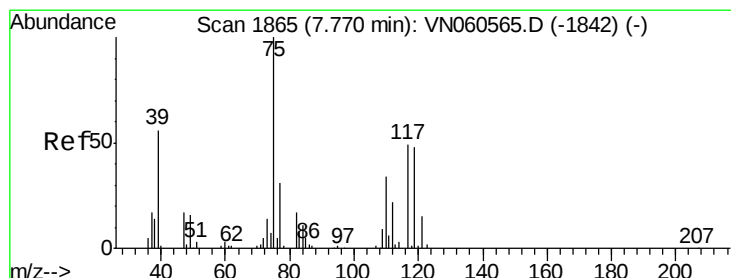
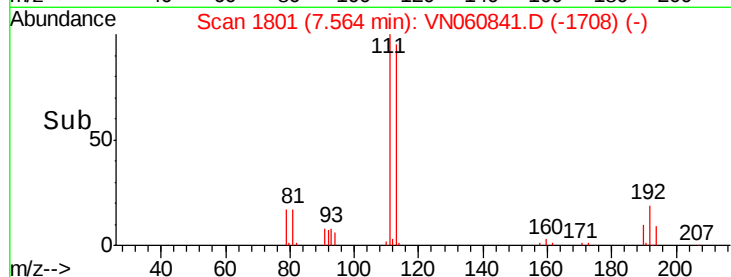
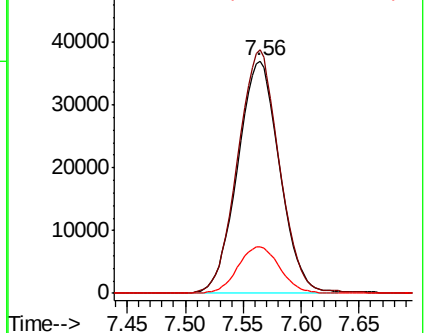
192 20.1 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

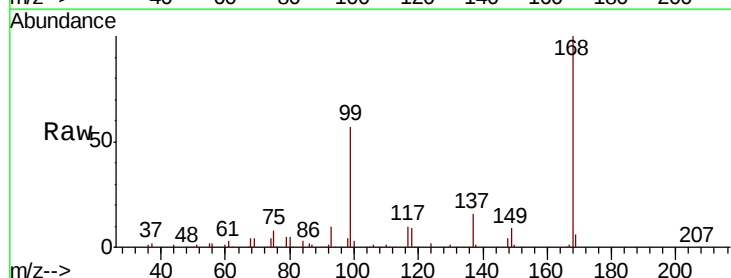
Tgt Ion: 75 Resp: 15089

Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.6#

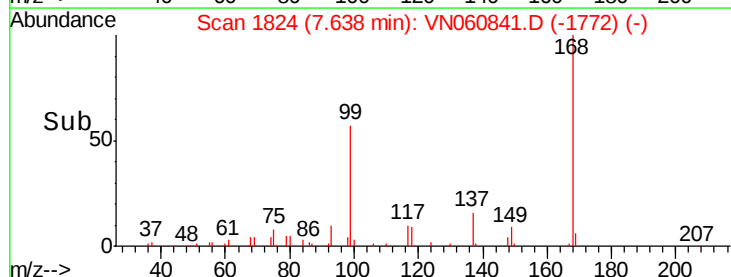
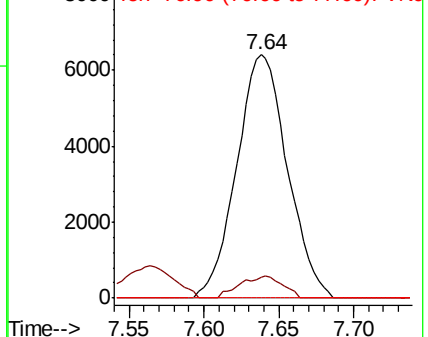
77 0.0 24.6 36.8#

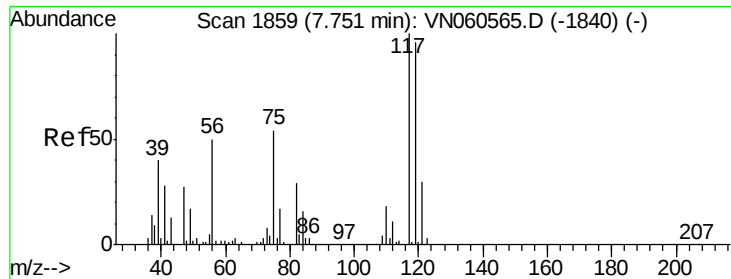


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.727 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0406WBL01

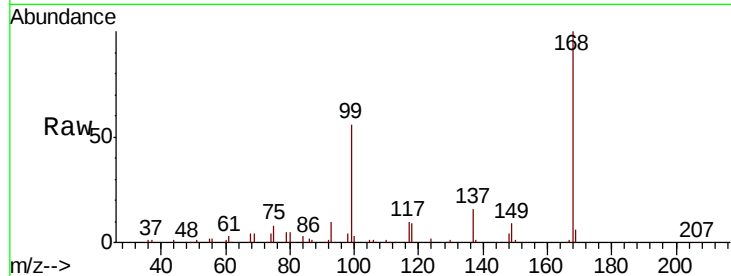
Tot Ion:117 Resp: 18510

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.2#

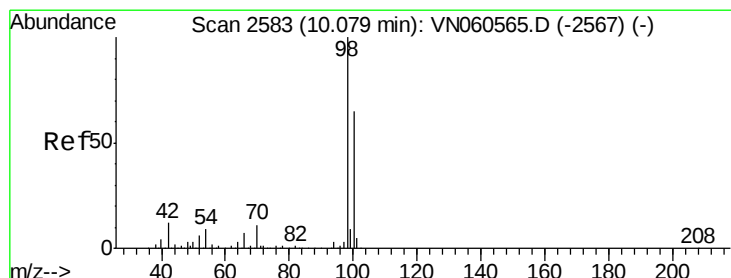
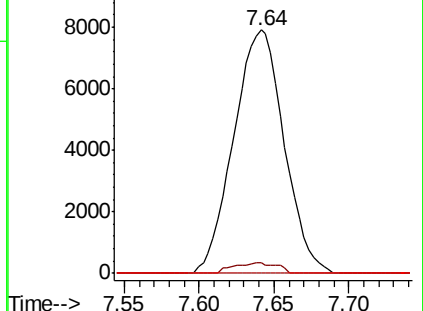
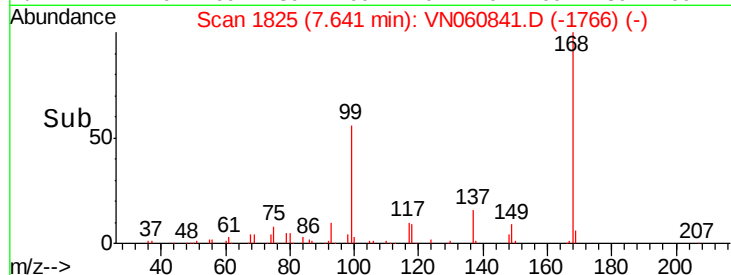
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.818 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060841.D

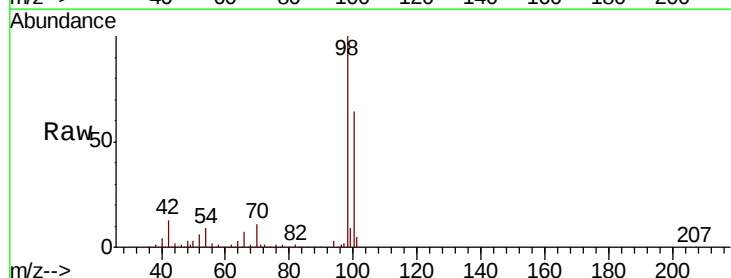
Acq: 6 Apr 2020 11:06

Tgt Ion: 98 Resp: 382255

Ion Ratio Lower Upper

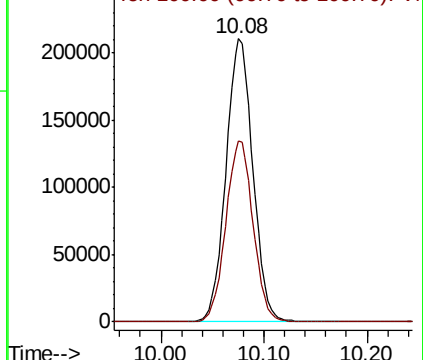
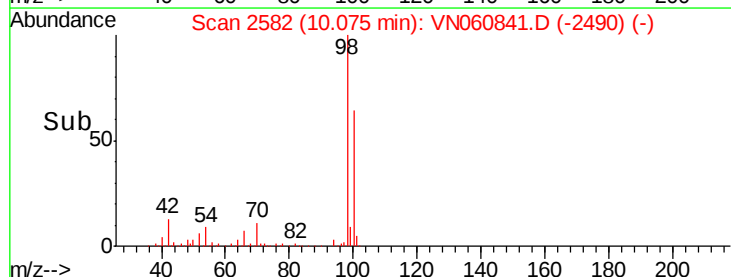
98 100

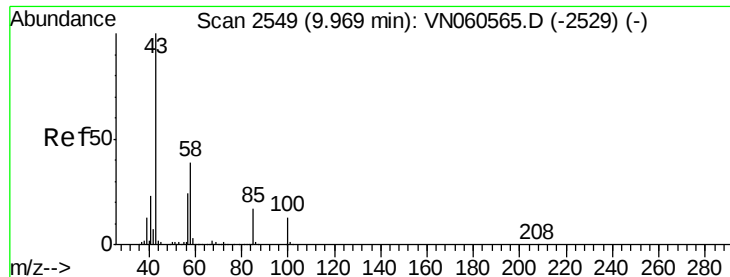
100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

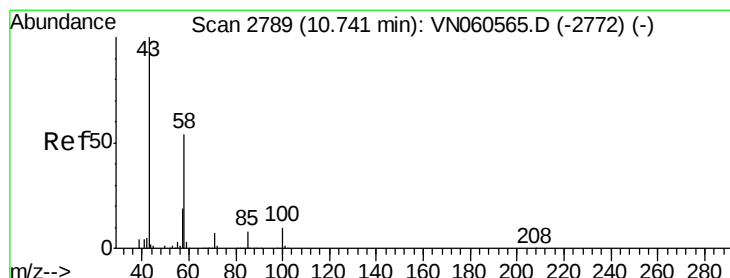
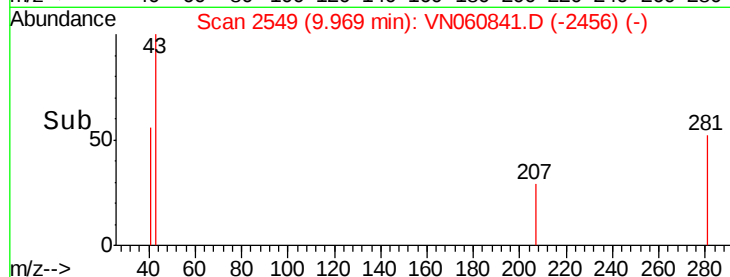
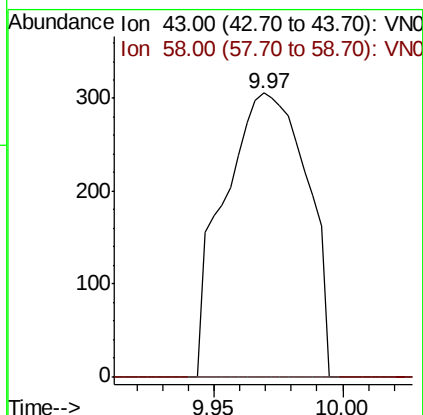
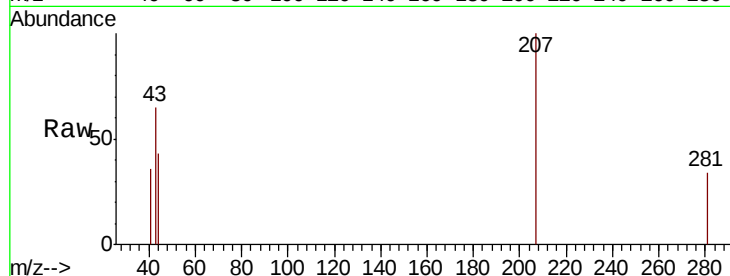




#51
 4-Methyl-2-Pentanone
 Concen: 0.219 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060841.D
 Acq: 6 Apr 2020 11:06

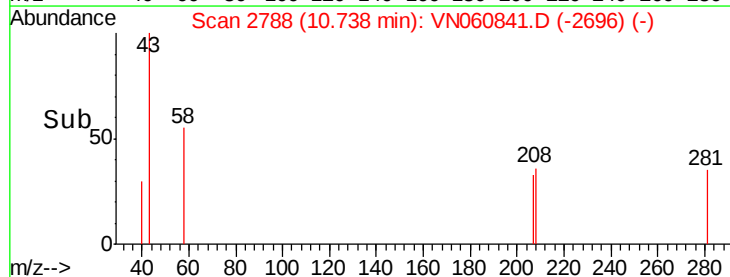
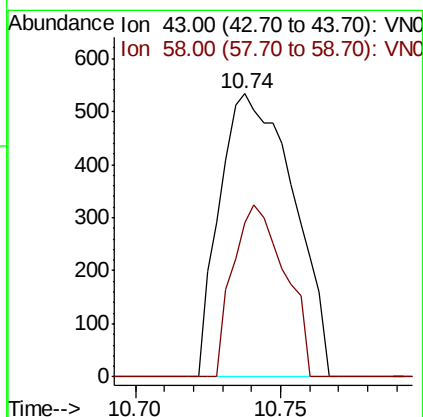
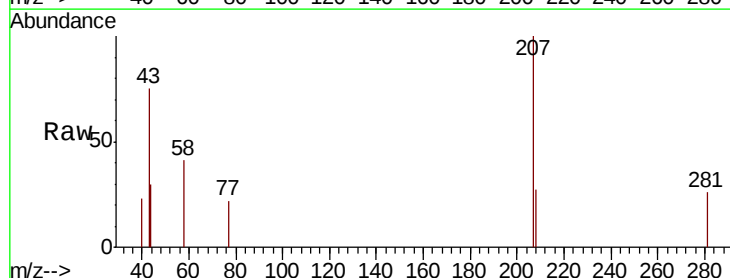
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBL01

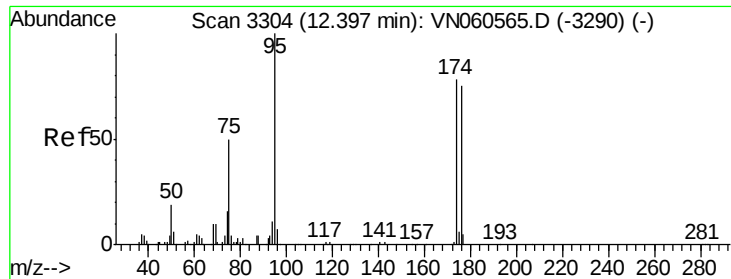
Tot Ion: 43 Resp: 683
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.8 46.2#



#59
 2-Hexanone
 Concen: 0.420 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: VN060841.D
 Acq: 6 Apr 2020 11:06

Tgt Ion: 43 Resp: 942
 Ion Ratio Lower Upper
 43 100
 58 42.7 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 46.468 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0406WBL01

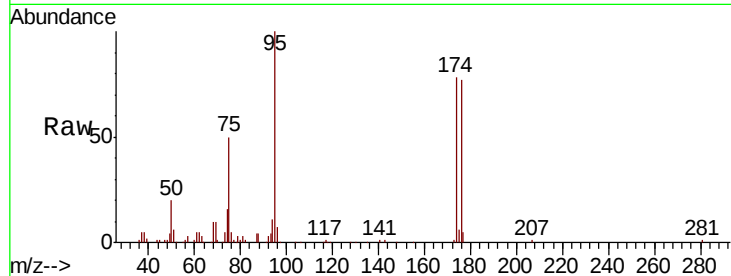
Tot Ion: 95 Resp: 133348

Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.6

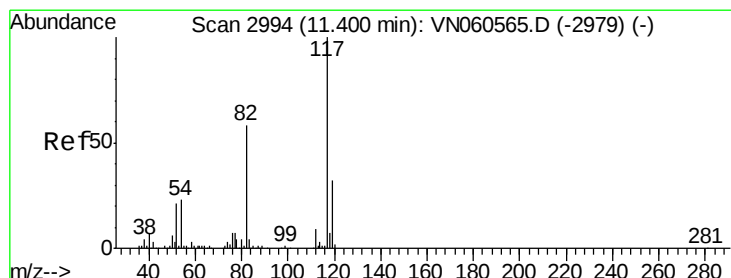
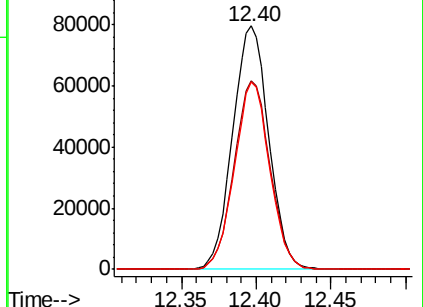
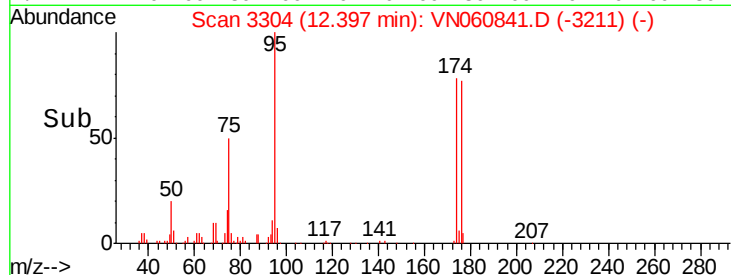
176 75.3 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060841.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060841.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060841.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

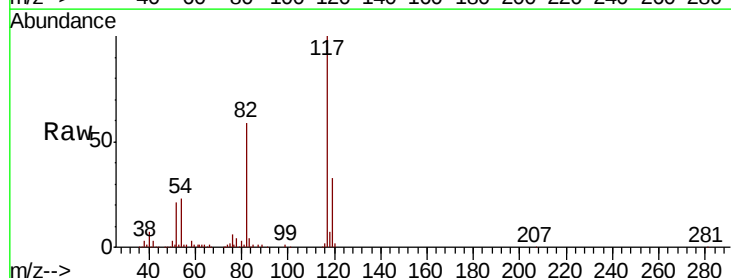
Tgt Ion: 117 Resp: 278785

Ion Ratio Lower Upper

117 100

82 58.7 46.7 70.1

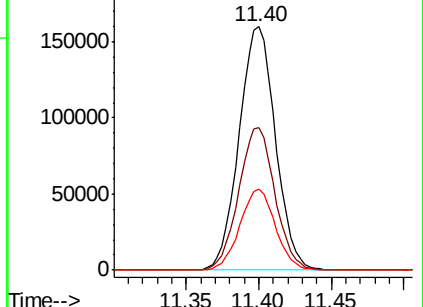
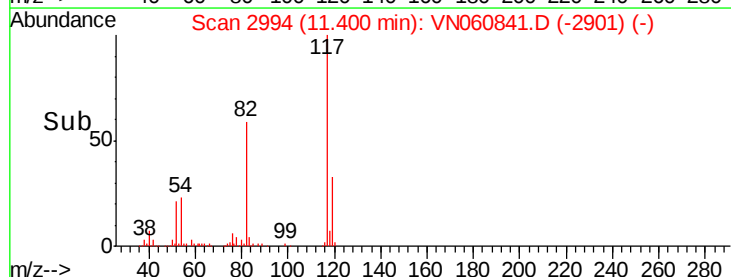
119 33.1 25.5 38.3

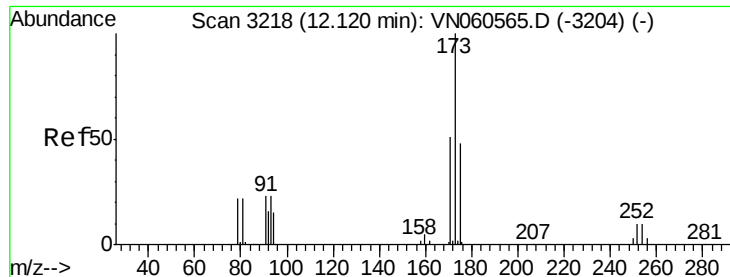


Abundance Ion 116.90 (116.60 to 117.60): VN060841.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060841.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060841.D (-2901) (-)

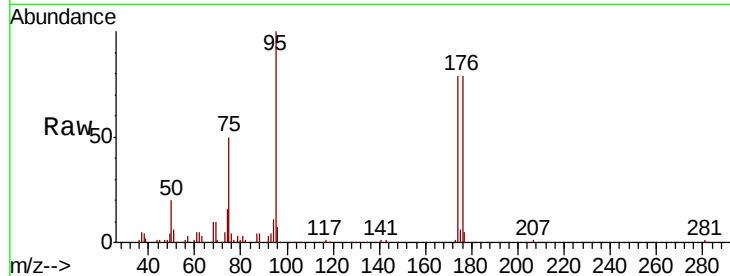




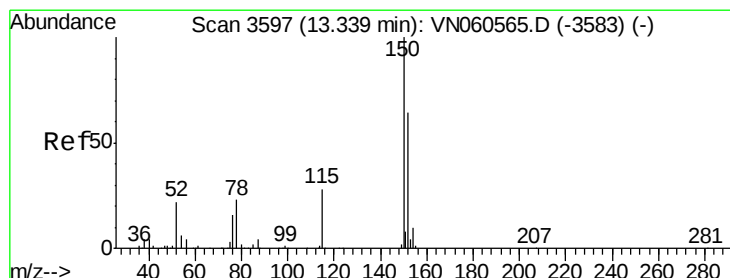
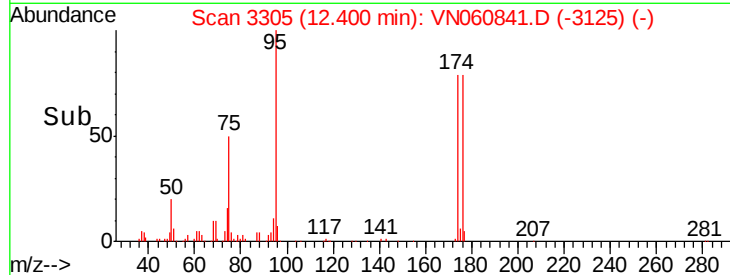
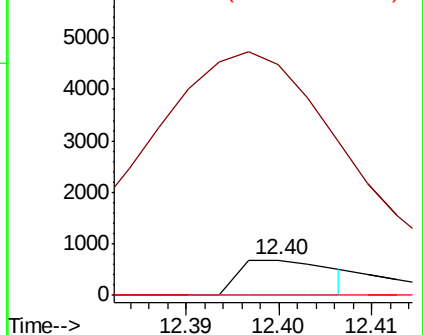
#71
Bromoform
Concen: 1.959 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBL01

Tot Ion:173 Resp: 479
Ion Ratio Lower Upper
173 100
175 1366.8 24.1 72.4#
254 0.0 0.0 0.0

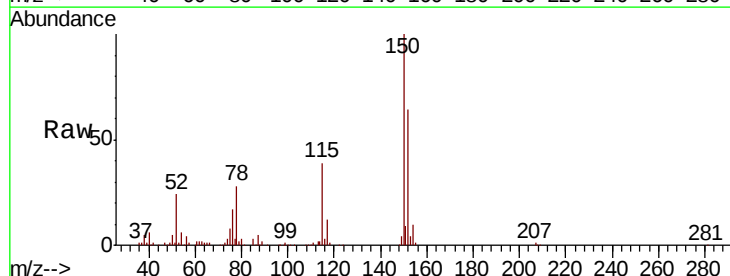


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

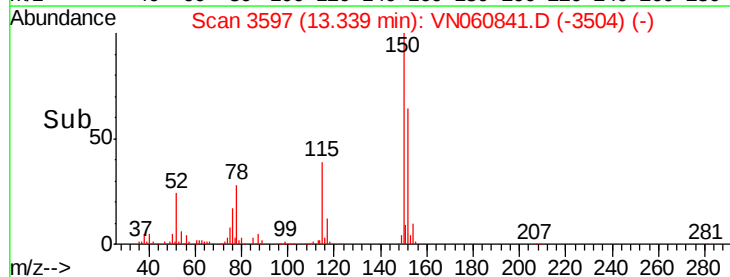
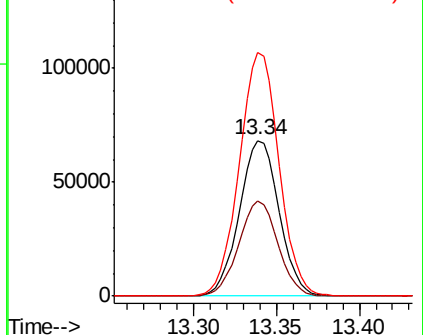


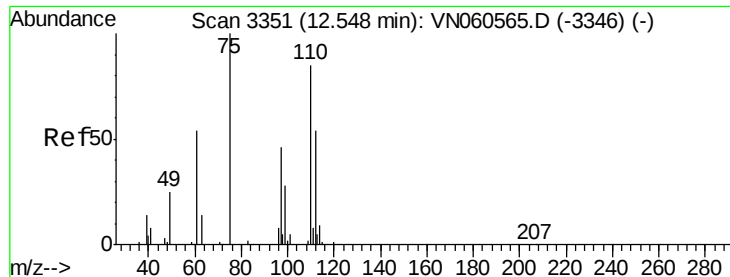
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060841.D
Acq: 6 Apr 2020 11:06

Tgt Ion:152 Resp: 113399
Ion Ratio Lower Upper
152 100
115 60.4 30.2 90.6
150 156.4 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.992 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

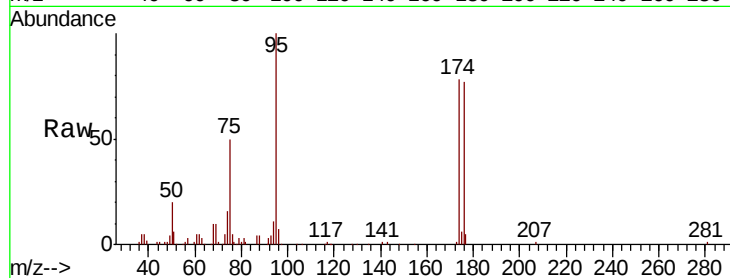
VN0406WBL01

Tot Ion: 75 Resp: 66048

Ion Ratio Lower Upper

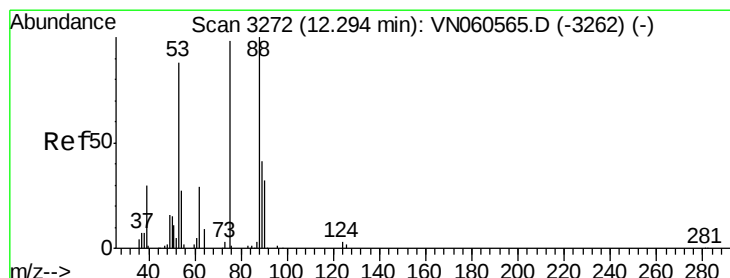
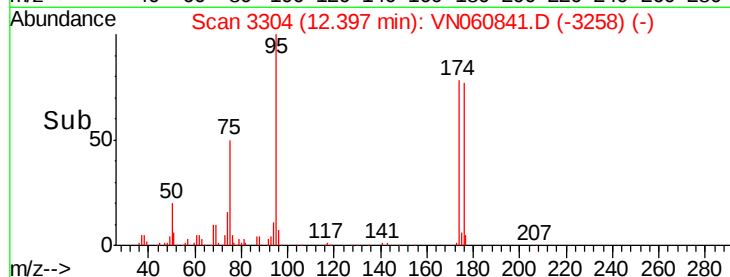
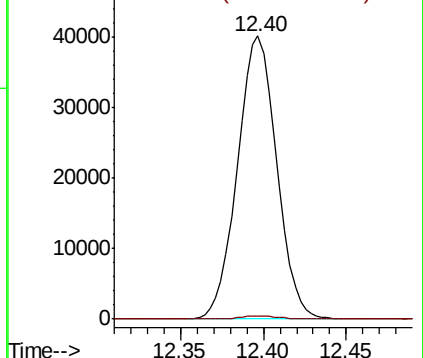
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 69.324 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

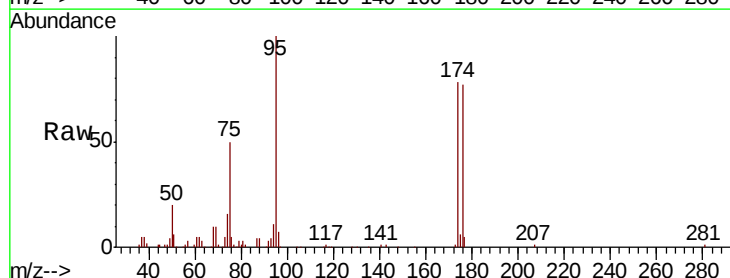
Tgt Ion: 75 Resp: 66048

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

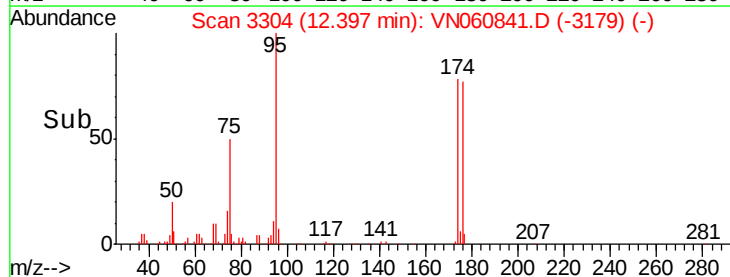
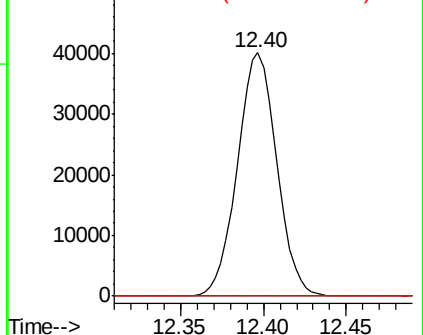
89 0.0 34.8 52.2#

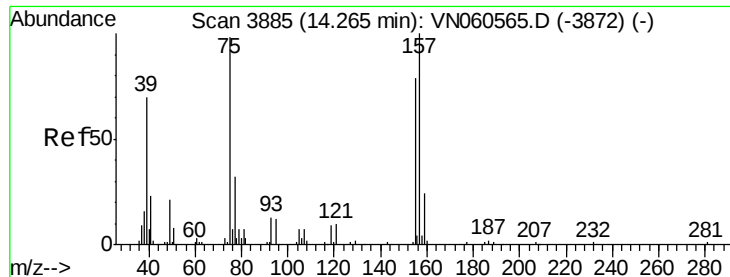


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0406WBL01

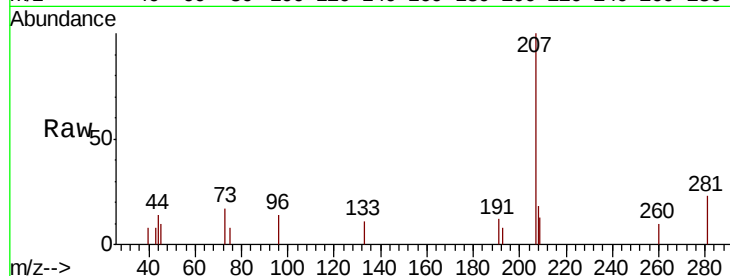
Tot Ion: 75 Resp: 32

Ion Ratio Lower Upper

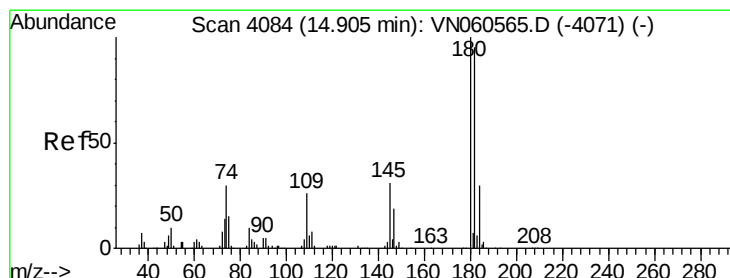
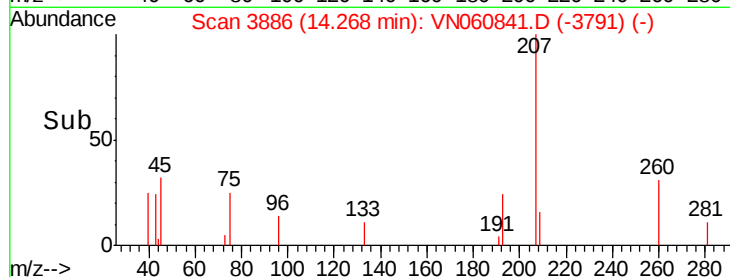
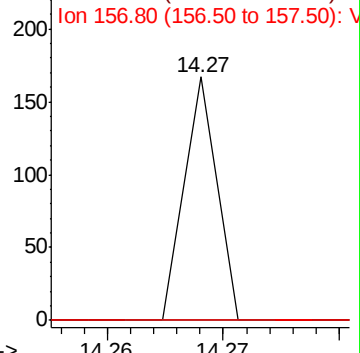
75 100

155 0.0 40.7 122.1#

157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060841.D (-3872) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.420 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

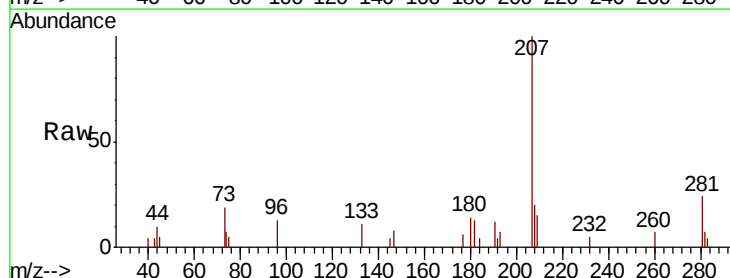
Tgt Ion: 180 Resp: 893

Ion Ratio Lower Upper

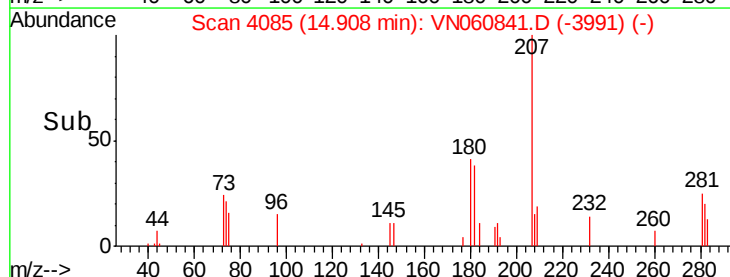
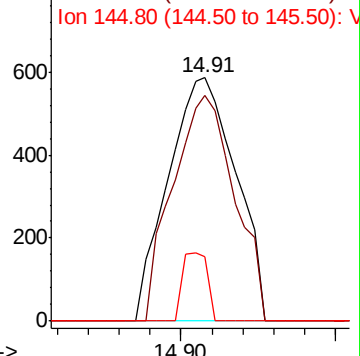
180 100

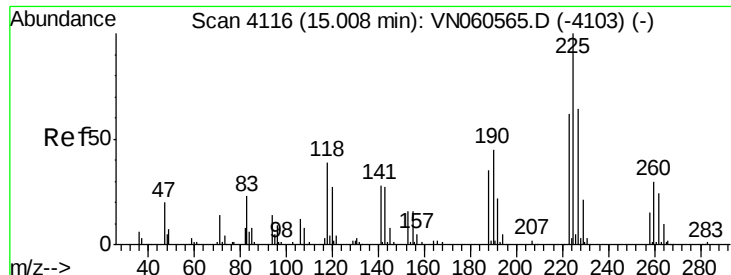
182 84.9 47.9 143.8

145 10.4 15.4 46.2#



Abundance Ion 179.80 (179.50 to 180.50): VN060841.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.319 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0406WBL01

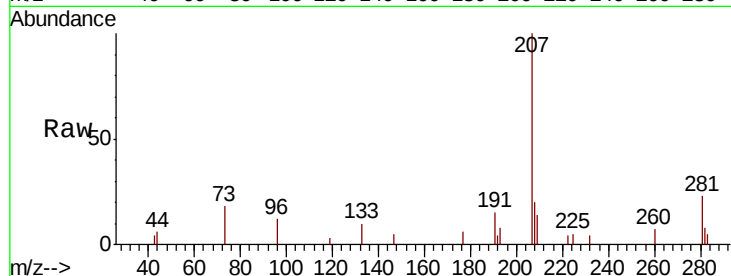
Tot Ion:225 Resp: 332

Ion Ratio Lower Upper

225 100

223 30.7 31.6 95.0#

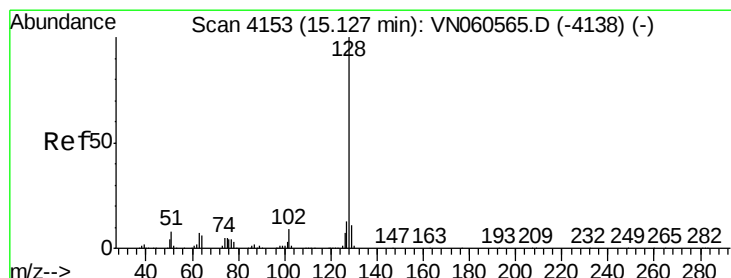
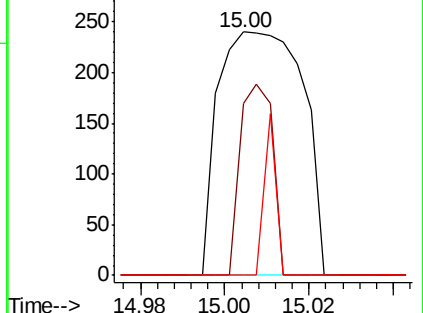
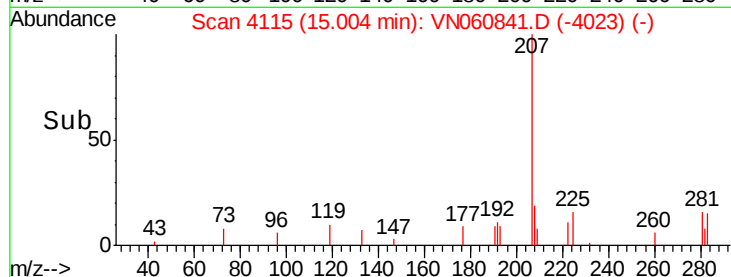
227 9.3 32.3 96.8#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.602 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060841.D

Acq: 6 Apr 2020 11:06

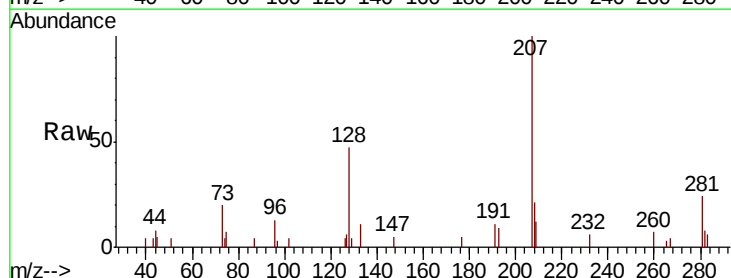
Tgt Ion:128 Resp: 3845

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.2#

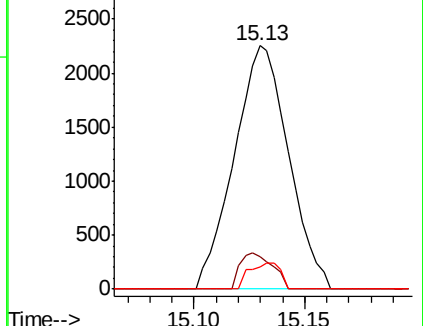
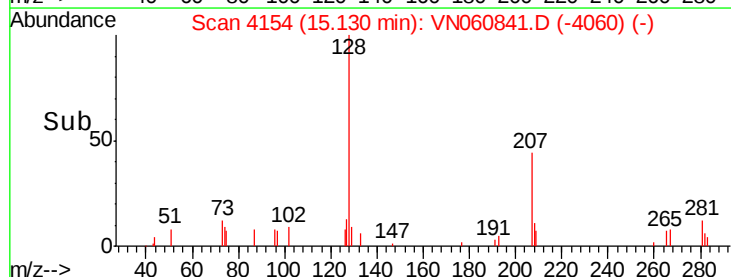
129 6.1 8.8 13.2#

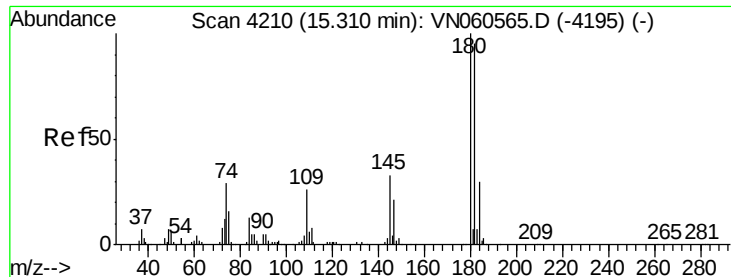


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.555 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060841.D
 Acq: 6 Apr 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	28.3	16.3	48.8

